

August 17, 2007

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Daniel C. Crane, Primary Patent Examiner
United States Patent and Trademark Office
Commissioner For Patents



P.O. Box 1450

Alexandria, Virginia 22313-1450

Applicant: Vincent Craig Olsen

Application No.: 10/718,013

Art Unit: 3725

Filing Date: 11/21/2003

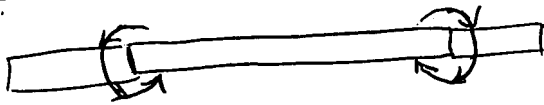
Figures and Notes for Interview
to be held by telephone on 8-22-07
at 2:00 PM

Mr. Crane:

I have included below some figures and notes to aide in our discussion during the interview scheduled for 8-22-07. I will attempt to call you at 2:00 PM that day, and I will call back every 15-20 minutes until I get through. I look forward to discussing my application with you.

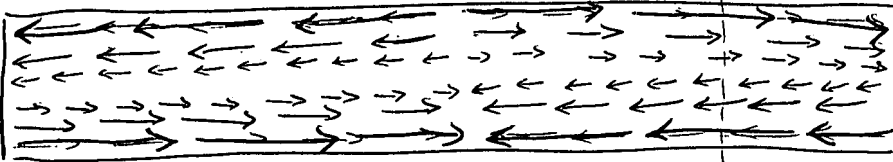
Sincerely,

pure bending moment:



outside of bend in tension

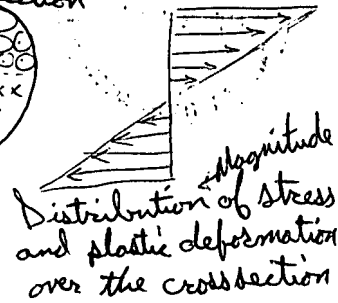
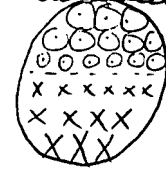
Center of middle cross section has no stress



inside of bend in compression

Section A-A

Direction of stress and plastic deformation over the cross section



The present application:



Clamp:

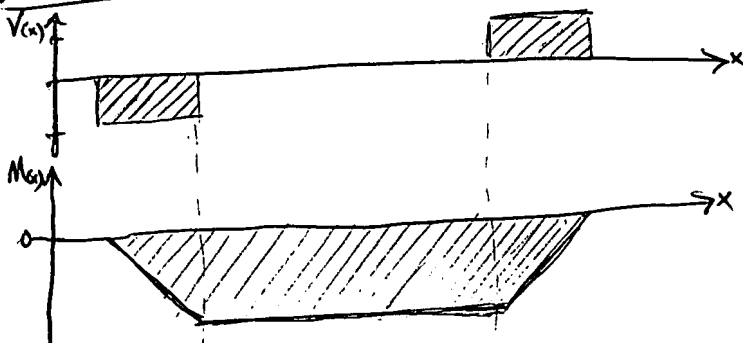
Workpiece:



Clamp:



Workpiece:



Heese 3,831,419:

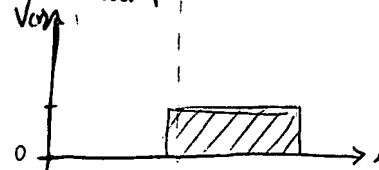


Clamp:

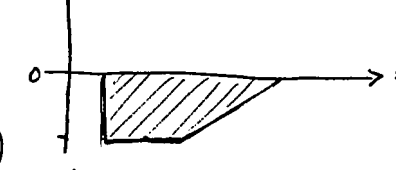
Workpiece:



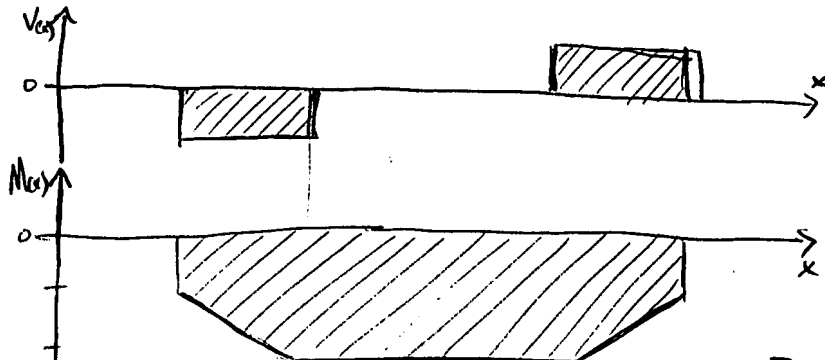
Clamp:



Workpiece:



Workpiece:



Request Form

(Forma de Solicitud)

Name: _____

(Nombre)

Housing Area _____

(# de Celda)

- ☐ Case Manager
- ☐ Laundry
- ☐ Education
- ☐ Kitchen
- ☐ Notary Service
- ☐ Offender Accounts
- ☐ Commissary
- ☐ Other _____

ID #: _____

(# de Identificacion)

Work Assignment: _____

(Trabajo)

- ☐ Job Coordinator
- ☐ Classification
- ☐ Warden
- ☐ Assistant Warden
- ☐ Mail
- ☐ Phones
- ☐ Law Library



Employee Name: _____

(Nombre de Empleado)

Action Requested:

(Accion Requerida)

Signature: _____ Date: _____

(Firm)

(Fecha)

Action Taken:

(Accion Tomado)

Employee Signature: _____ Date: _____

(Firma de Empleado)

(Fecha)

Attachment D - . .

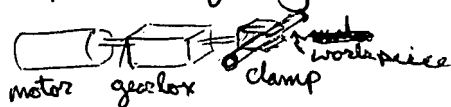
Revised 10/20/06

Bending Operations:

Mode of torque creation:

The present application:

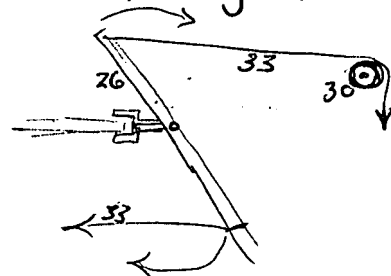
- the preferred embodiment of torque creation is an electric motor connected to a torque increasing gear box axially connected to the torque transferring material clamp.



This creates a constant torque and a constant ~~angular~~ rate of rotational displacement of the torque transferring material clamp, and hence constant rates of deformation

heese

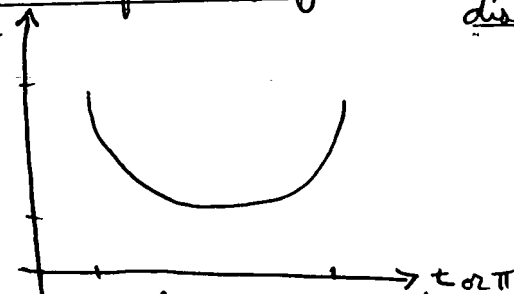
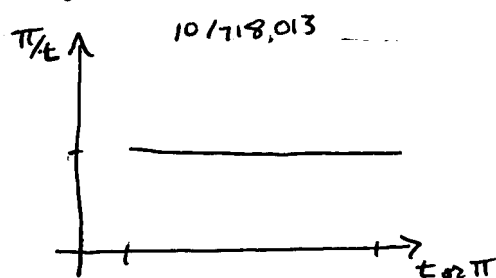
- The material clamp is connected to a lever⁽²⁶⁾ that is pulled through an arc by a cable (33) that is pulled from a stationary ~~point~~ pulley (30).



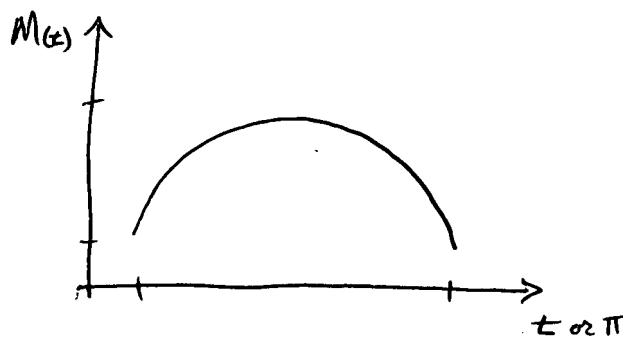
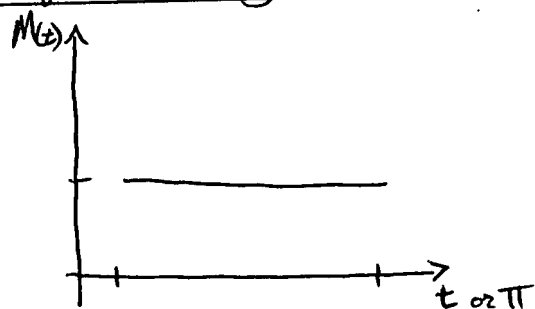
This creates a torque and a rate of rotational displacement of the torque transferring material clamp that changes throughout the bending process as the ~~angle~~ lever rotates and the angle between the cable and the lever changes.

The bend process ~~is~~ is initially rapid rotational displacement and low torque, then slow displacement and high torque, and finally rapid displacement and low torque.

* Rate of Rotational Displacement and Rate of Bending as a function of time or rotational displacement



* Torque or Bending Moment as a function of time or rotational displacement



Request Form

(Forma de Solicitud)

Name: _____

(Nombre)

ID #: _____

(# de Identificacion)

Housing Area _____

(# de Celda)

Work Assignment: _____

(Trabajo)

☐ Case Manager

☐ Laundry

☐ Education

☐ Kitchen

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☐ Other _____

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Action Requested:

(Accion Requerida)

Signature: _____

(Firm)

Date: _____

(Fecha)

Action Taken:

(Accion Tomado)

Employee Signature: _____

(Firma de Empleado)

Date: _____

(Fecha)

Attachment D - . .

Revised 10/20/06